INLAND NAVIGATION SYSTEM
THE U.S. ARMY CORPS OF ENGINEERS
PROGRAMS & AUTHORITIES

September 29, 2005

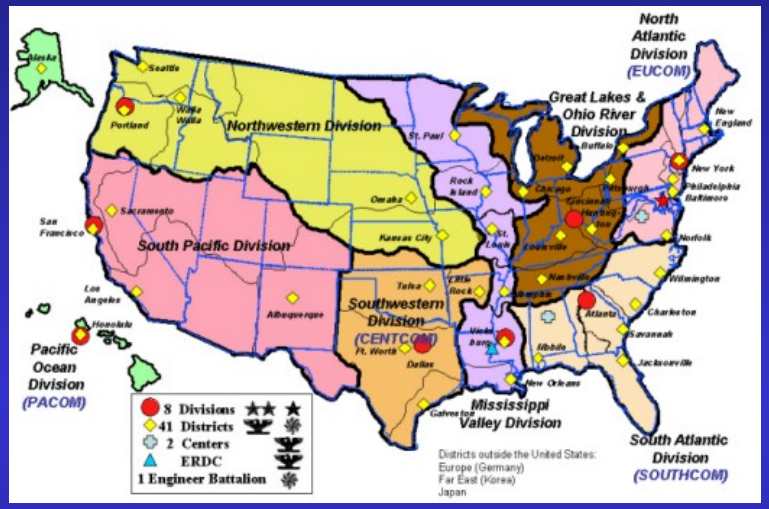
by

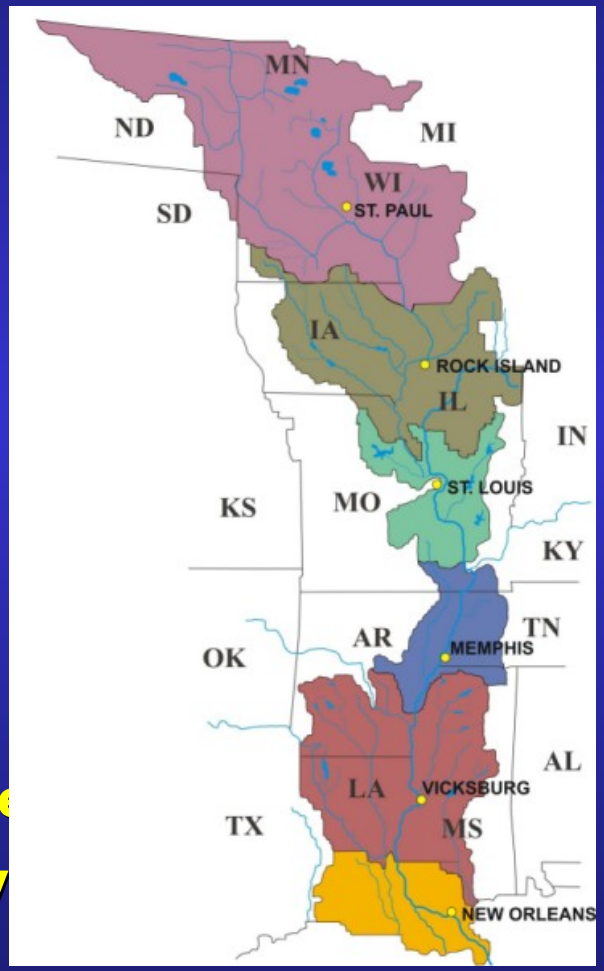
Gary loss, p.e.

Deputy for programs & project management,
rock island district, U.S. Army corps of engineers

US Army Corps of Engineers®

Mississippi Valley Division





- **Six districts**
- **5,000+ employees**
- **370,000 square mile boundary, encompassing all or parts of 12 state**
- **4,267 miles of commercial waterway**
- **44 flood control lakes/reservoirs**

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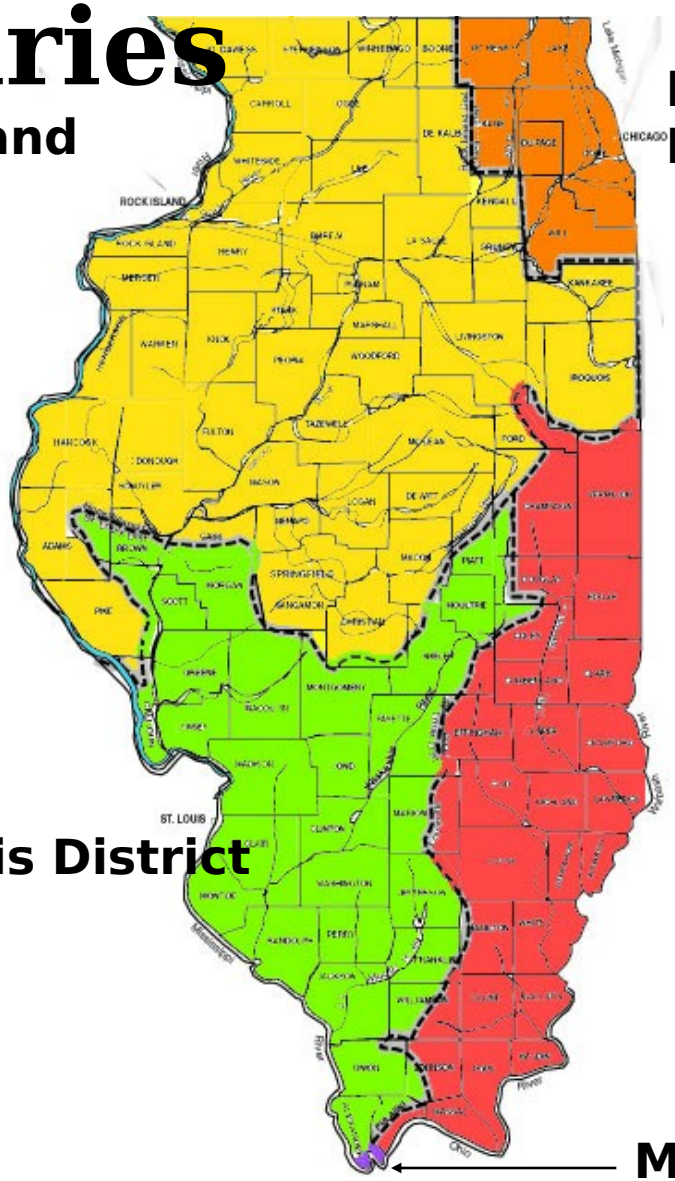
Rock Island District

- Primarily a civil works district
- 78,000 square miles
- Portions of 5 states
- Operate 582 miles of 9-foot navigation channel
- 20 lock and dam sites
- 5 flood control reservoirs

Geographical Boundaries



MVD/Rock Island District

LRD/Chicago District

LRD/Louisville District

MVD/St. Louis District

MVD/Memphis District

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Mission Areas

- Navigation
- Environmental Protection & Restoration
- Flood Damage Reduction
- Regulatory
- Emergency Respons
- Recreation
- Land Management

Navigation

Maintain & Manage

- 314 miles of the Upper Mississippi River
- 268 miles of the Illinois Waterway

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Marseilles Lock (Illinois Waterway)

Lock & Dam 18 (Mississippi River)

- **Illinois Waterway POC**

  Rick Granados

  (309) 676-4601

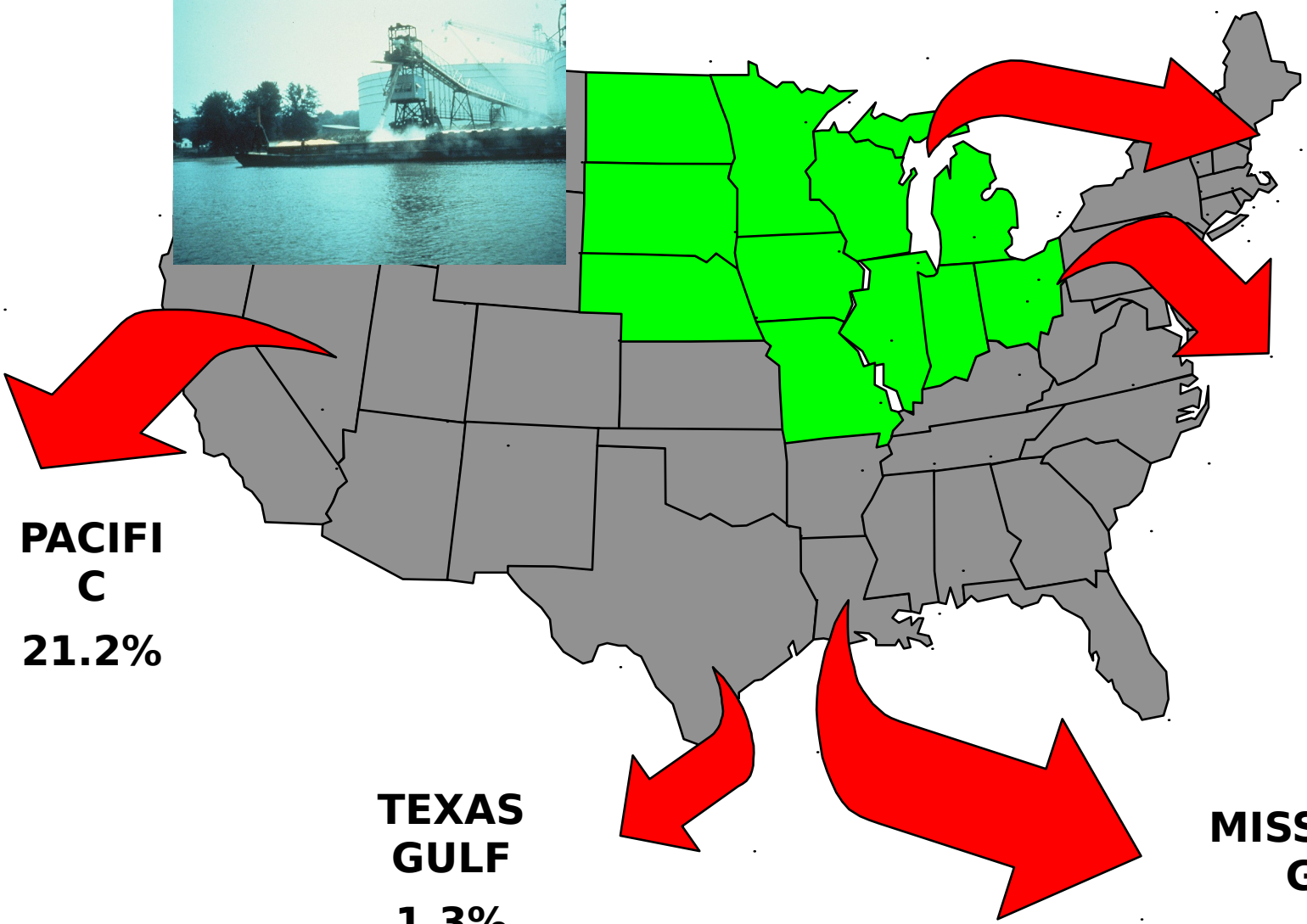
- **Mississippi River POC**

  Bill Gretten

  (309) 794 4512

Corn Exports

2.1 Million Bushels



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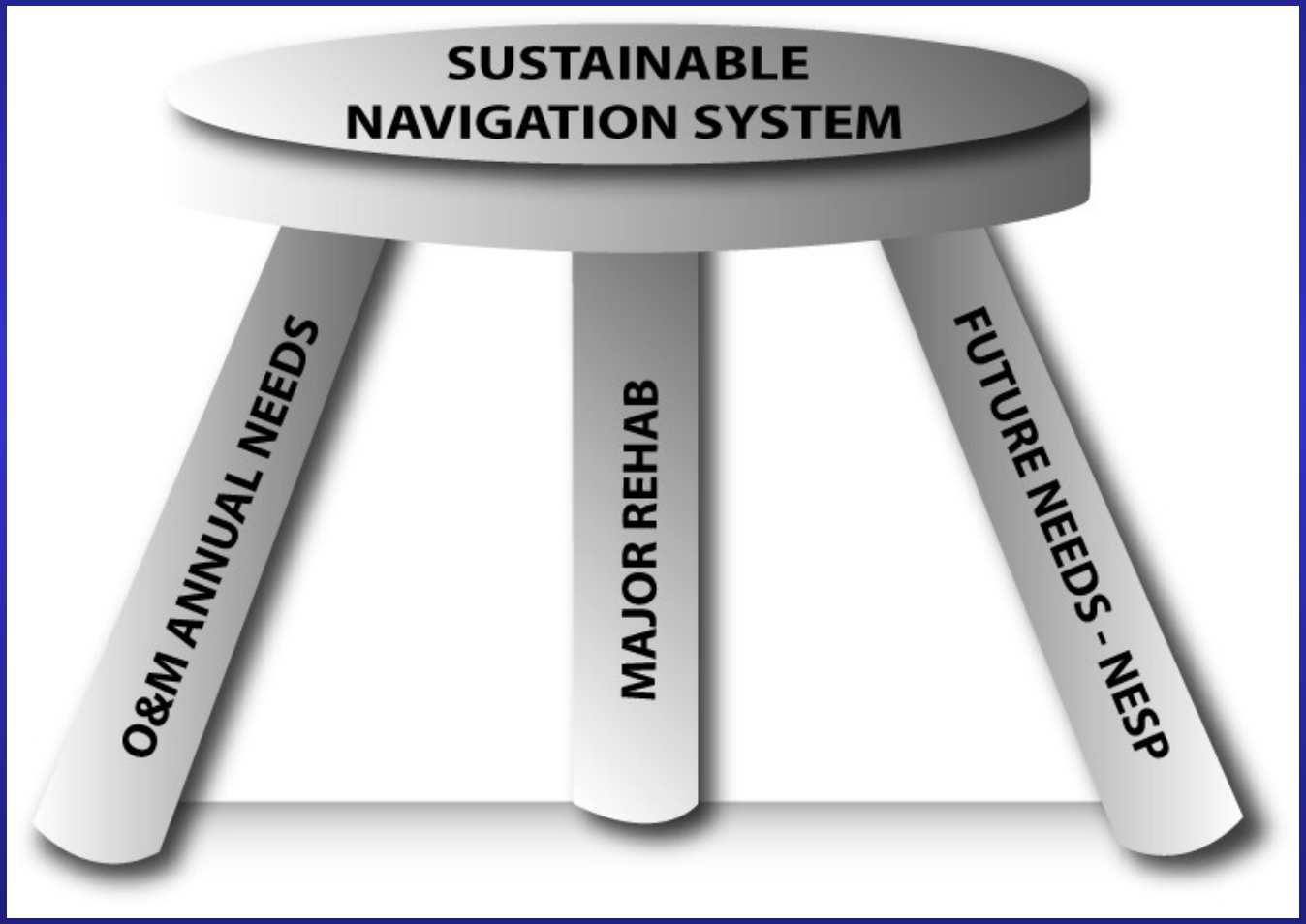

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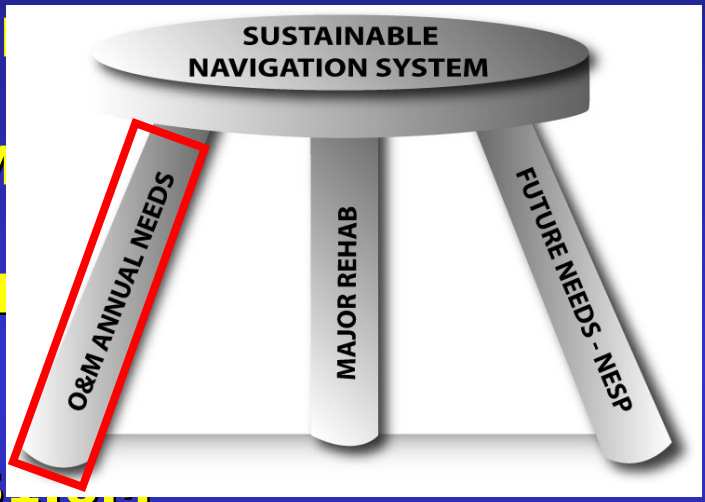
FY2006 Illinois Waterway Project President's Budget -- $24,702K

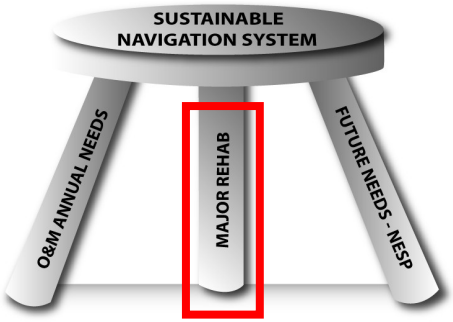
Project basic service shortfall of $3.9

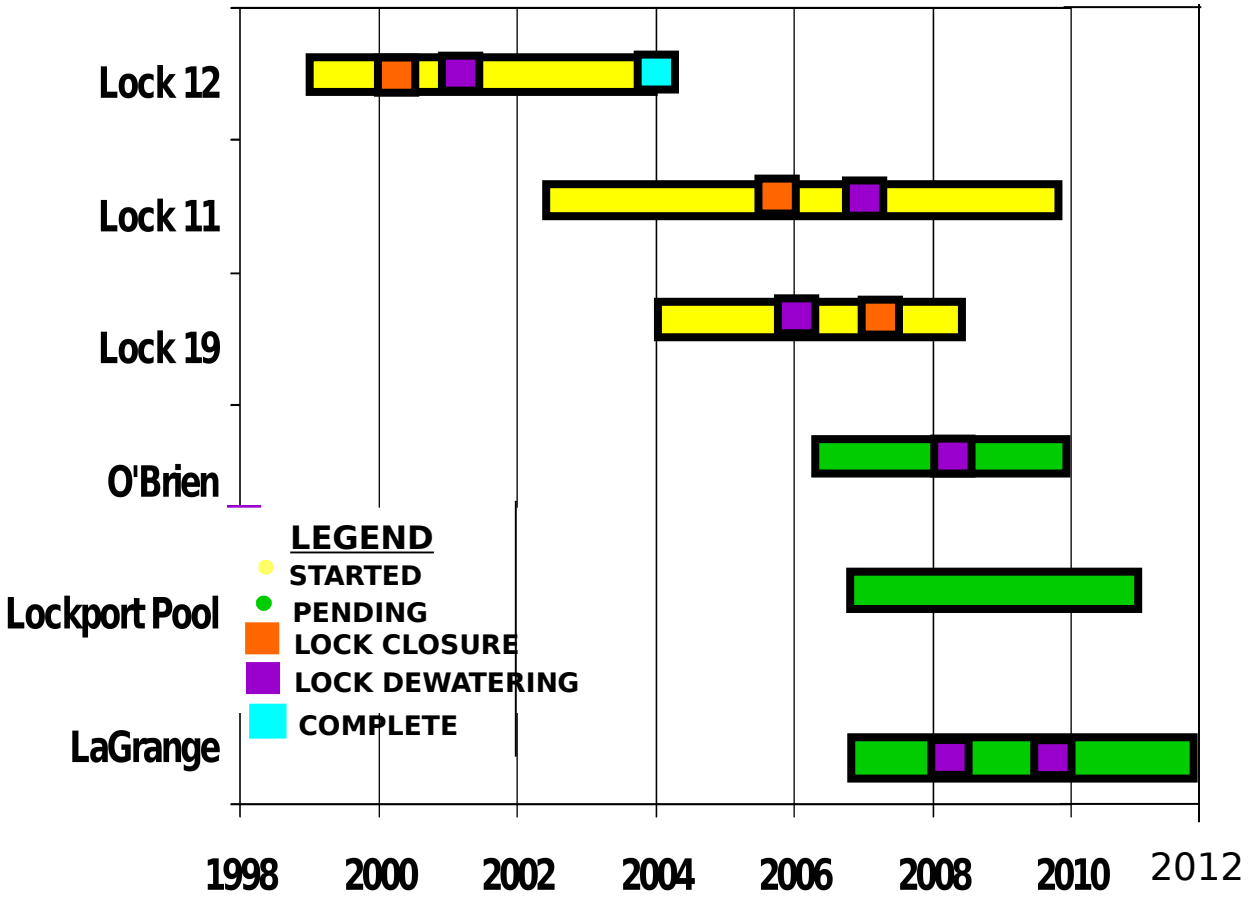
Additional repair capability of $10.3M

- **Peoria wicket lifter -- $800K**
- **Peoria lock hydraulic repairs -- $3.1**
- **DMMP plans & specs -- $1.5M**
- **Dredging -- $1M**
- **Lockport approach dike repairs -- $**
- **Major maintenance at O'Brien & Lockport locks -- $700K**
- **Lucas Berg CDF EIS -- $100K**
- **Interim security measures -- $1.5M**



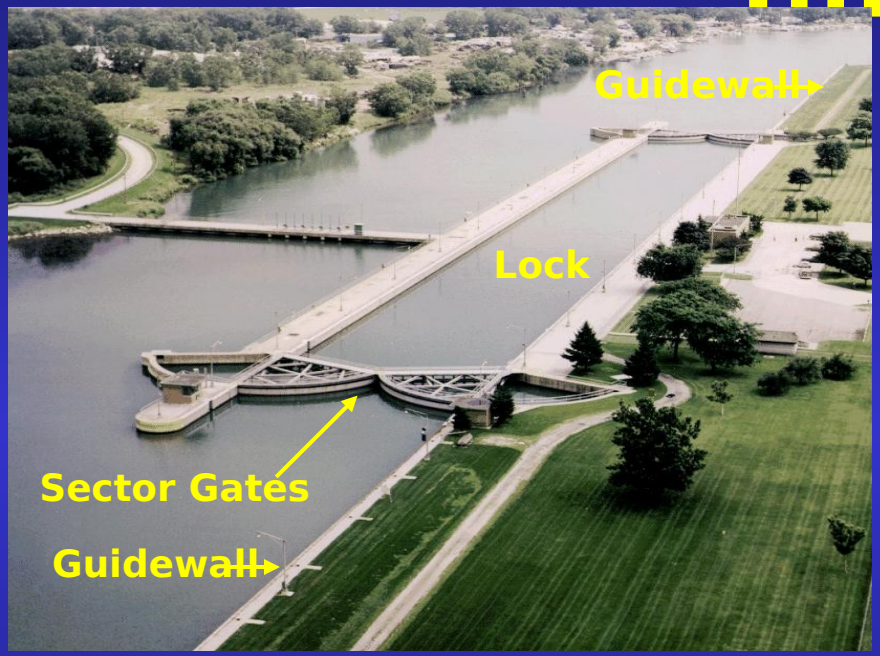
Current Major Rehabilitations
Upper Mississippi River
& Illinois Waterway





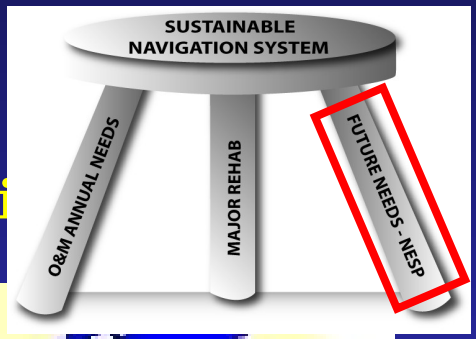
L&D 11 Rehab Cycle Extended Due to Funding Constraints.

O'Brien Lock
Illinois Waterway @ Chicago, Illinois



- FY07 New Start - Proposed
- Major Rehab - $17 M CG/TF
- Major Maint. - $9 M O&M
- Staging of Work
  - Stage I – Lockwall Cells
  - Stage II – Machinery & Electrical Replacements, Sector Gate Repainting
  - Stage III – Guidewall Repairs

Upper Mississippi River-Illinois Waterway System Navigation Study
Now: Navigation & Ecosystem Sustainabili



Program Area

- 37 Lock Sites
- 1,200 Miles of River

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FY05 Implementation Plan

- Work allowance $11.3M (Congressional Add)
- 32 new projects
- Programmatic projects (5) $1.9M
- Navigation efficiency projects (8) $4.8M
- Primary activities focused on:

  Decision documents (planning)
  Engineering and design
  Collection of pre-project monitoring data
  Site specific evaluations
  Public meetings

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Recommended Navigation Efficiency Improvements

$2.03 Billion in first 15 years (CG/IWTF)

- Mooring facilities @ locks 12, 14, 18, 20, 22, 24 & LaGrange*
- Switchboats @ locks 20-25*
- Adaptive implementation of 1200’ chambers at locks 20-25 (22*, 25*), LaGrange* & Peoria
- Mitigation for site specific & system effects
- Continued study & monitoring

* Initiate in FY05

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Ecosystem Restoration Implementation

$1.58 Billion In First 15 Years

- Fish passage @ dams 4, 8, 22* & 26*
- Changes in water level control @ dams 25 and 16 (25*)
- Adaptive implementation of 225 small projects of less than $25 million each
  - Island building*
  - Water level management*
  - Backwater/side channel restoration*
  - Wing dam/dike alterations*
  - Island shoreline protection*
- 35,000 acres of floodplain restoration
- Continued study & monitoring

* Initiate in FY05

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Upper Mississippi River-Illinois Waterway System Navigation Study

Now: Navigation & Ecosystem Sustainability Program

Authorization Status:

- House & Senate WRDA language both authorize construction of navigation improvements & ecosystem restoration.

FY06 Appropriations Status:

- Senate version has $20M to continue work in FY06.

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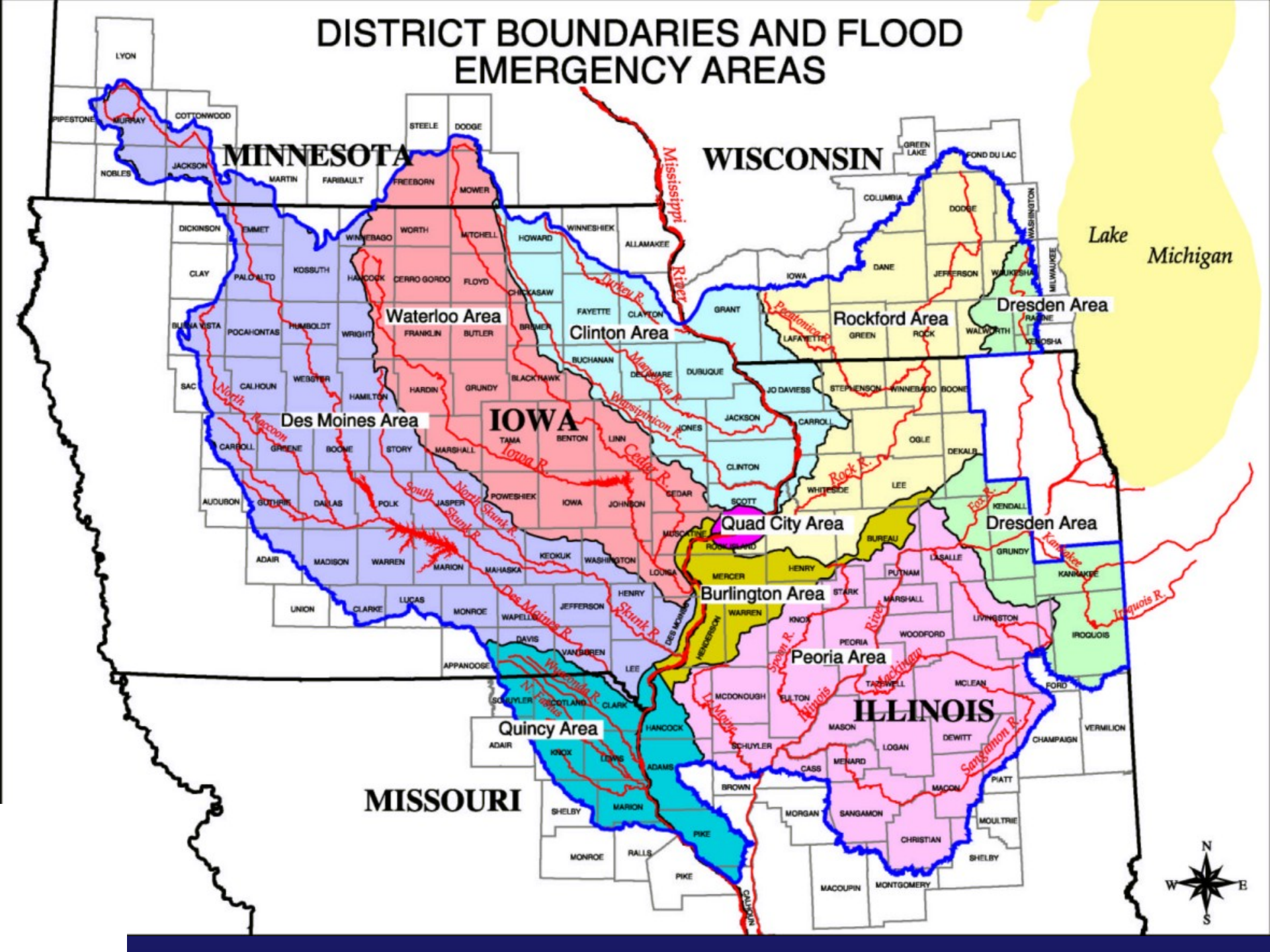
Emergency Operations


DISTRICT BOUNDARIES AND FLOOD EMERGENCY AREAS
MINNESOTA
WISCONSIN
IOWA
ILLINOIS
MISSOURI
Lake Michigan
Waterloo Area
Clinton Area
Rockford Area
Dresden Area
Des Moines Area
Quad City Area
Dresden Area
Burlington Area
Peoria Area
Quincy Area
Mississippi River
Turkey R.
Maquoketa R.
Wapsipinicon R.
Cedar R.
Iowa R.
North Raccoon
South Skunk R.
North Skunk R.
Des Moines R.
Skunk R.
Rock R.
Fox R.
Kankakee
Iroquois R.
Spoon R.
Illinois
La Moine
Sangamon R.
Wyaconda R.
N. Fabius
LYON
MURRAY
COTTONWOOD
PIPESTONE
NOBLES
JACKSON
MARTIN
FARIBAULT
FREEBORN
MOWER
STEELE
DODGE
DICKINSON
EMMET
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
CLAY
PALO ALTO
KOSSUTH
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
FAYETTE
CLAYTON
SAC
CALHOUN
WEBSTER
HAMILTON
HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
JACKSON
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
CEDAR
SCOTT
CLINTON
ADAIR
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WARREN
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KEOKUK
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UNION
CLARKE
LUCAS
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JEFFERSON
HENRY
DES MOINES
DAVIS
VAN BUREN
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MORGAN
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PIATT
MOULTRIE
SHELBY
BROWN
CASS
MENARD
LOGAN
DEWITT
CHAMPAIGN
VERMILION
SCHUYLER
MASON
TAZEWELL
MCLEAN
FORD
MCDONOUGH
FULTON
KNOX
WARREN
HENDERSON
MERCER
HENRY
STARK
MARSHALL
PUTNAM
BUREAU
LASALLE
GRUNDY
KANKAKEE
IROQUOIS
LIVINGSTON
WOODFORD
PEORIA
ROCK ISLAND
WHITESIDE
LEE
OGLE
DEKALB
KENDALL
CARROLL
JO DAVIESS
STEPHENSON
WINNEBAGO
BOONE
GRANT
IOWA
LAFAYETTE
GREEN
ROCK
WALWORTH
RACINE
KENOSHA
DANE
JEFFERSON
WAUKESHA
MILWAUKEE
WASHINGTON
DODGE
COLUMBIA
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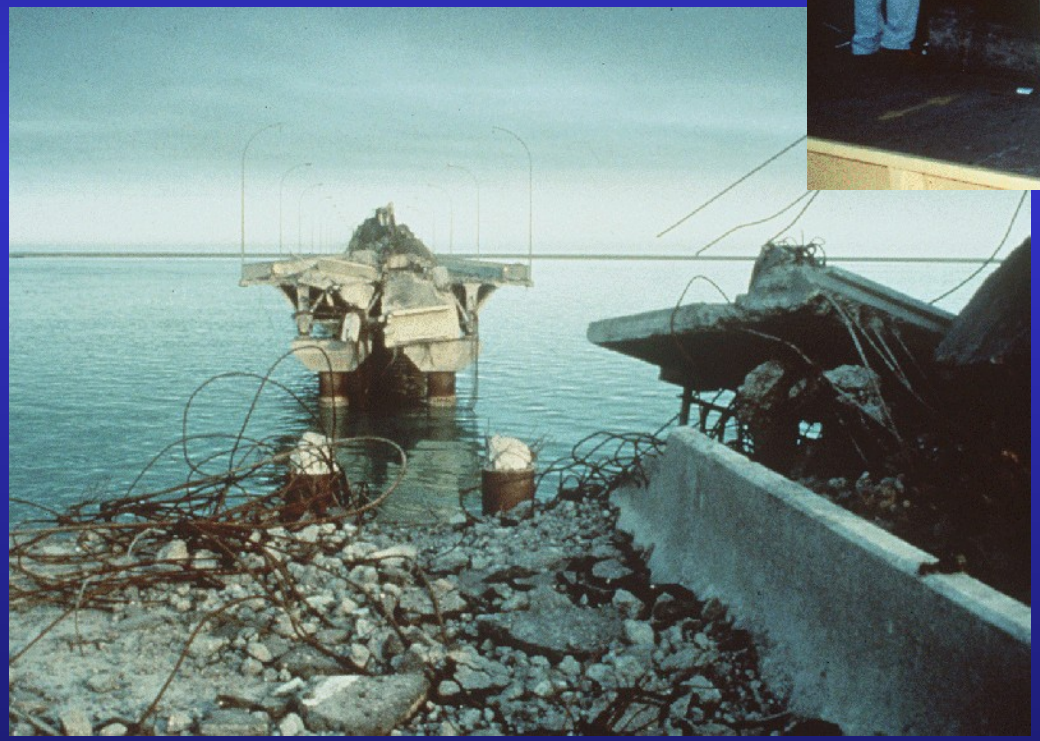
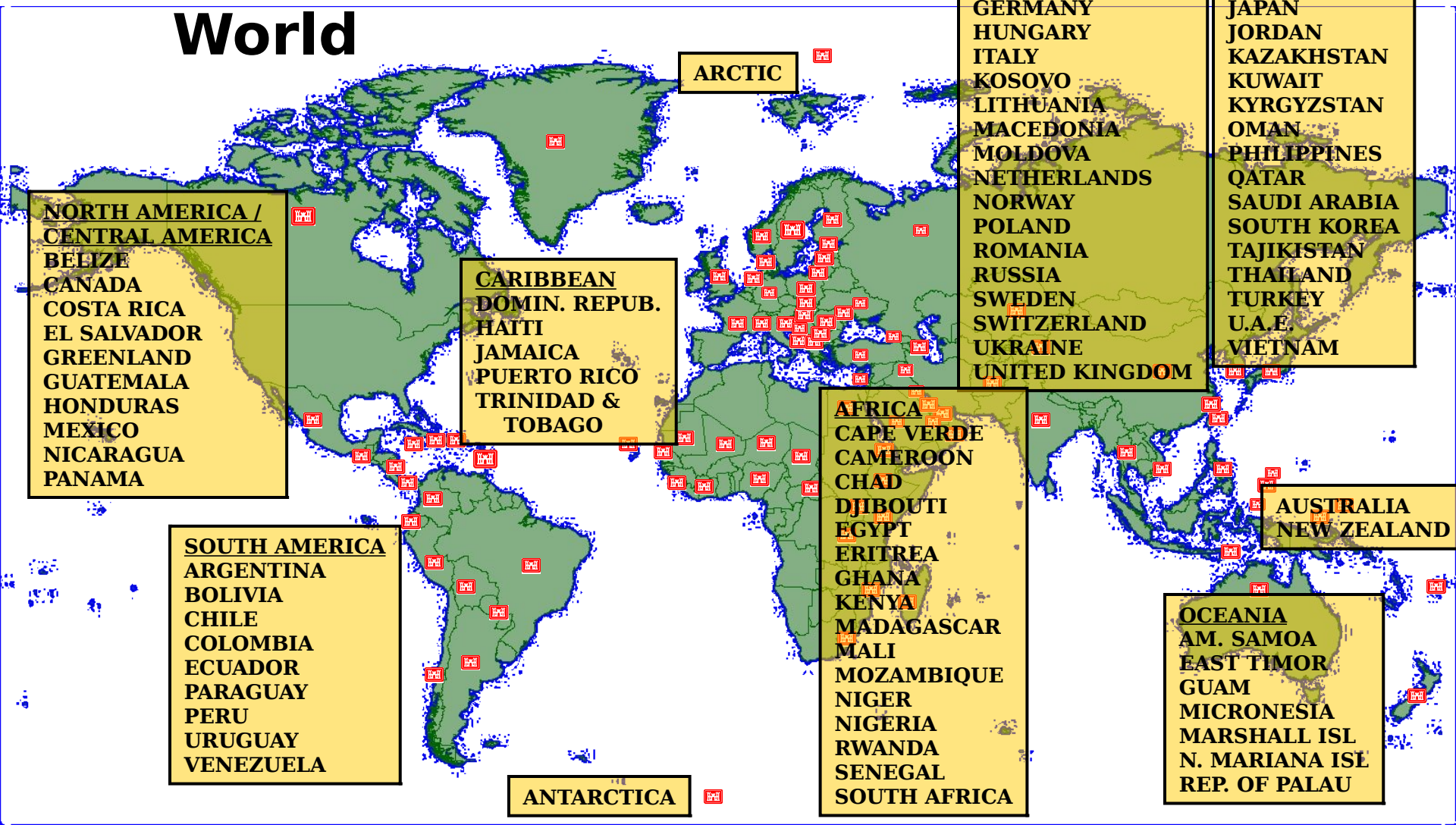
Debris Removal



Damage Assessment

Serving the Nation – All Over the World



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Regulatory Program

Discharge of Dredge Mater

Filling of Wetlands

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Types of Permits

Individual

- Larger Projects with Greater Impacts
- Involve Issuance of Public Notice

General

- Issued on a Regional/Nationwide Basis
- Include Conditions, Restrictions & Limitations
- Public Notice Issued For General Permit Itself

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APPROPRIATIONS BILLS

Agriculture	Energy and Water Development	Legislative Branch
Commerce, Justice, State	Foreign Operations	Military Construction
Defense	Interior	Transportation
District of Columbia	Labor, HHS, Education	Treasury
		VA/HUD

Basic Budget & Appropriations Process

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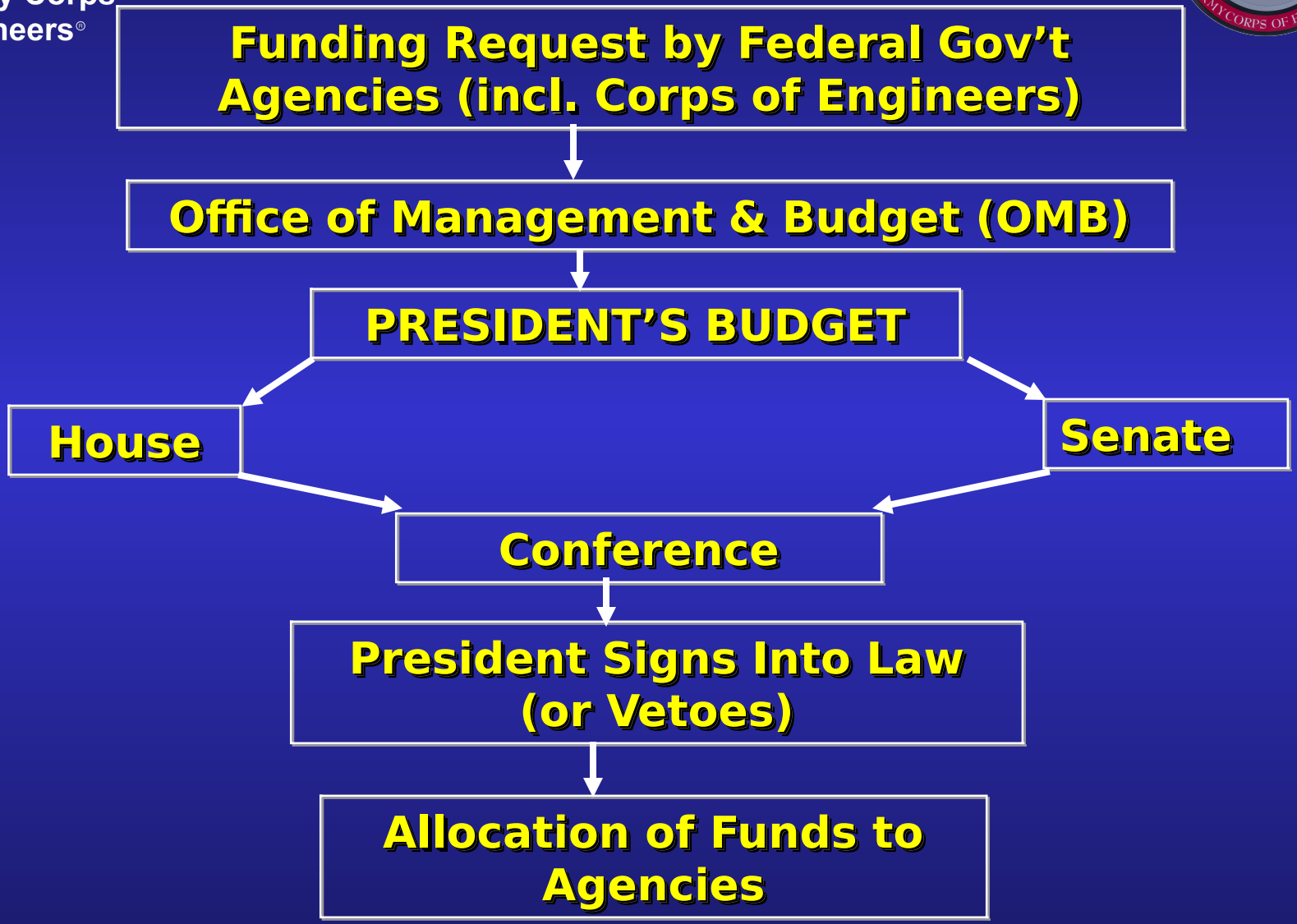
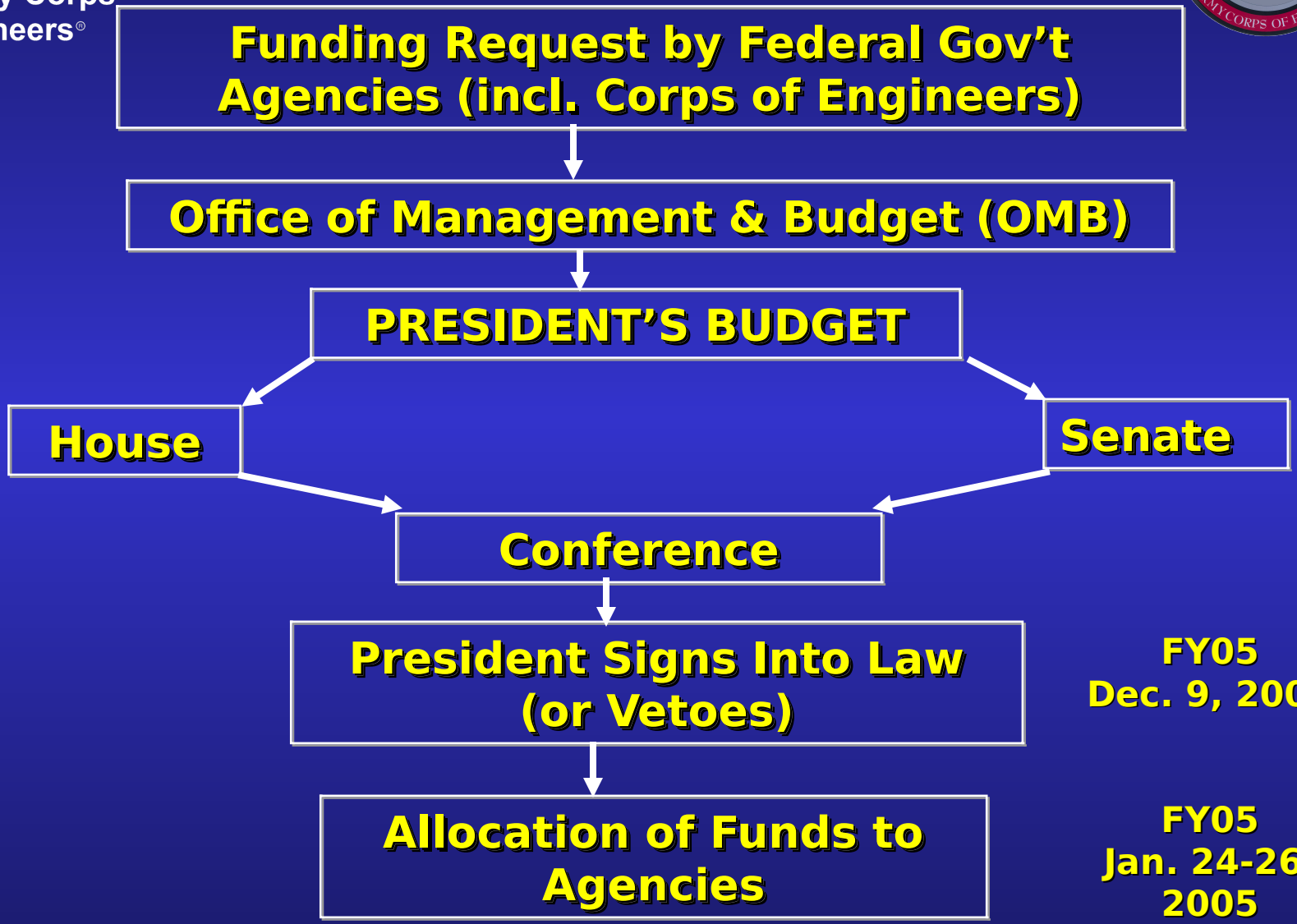

Funding Request by Federal Gov't Agencies (incl. Corps of Engineers)
Office of Management & Budget (OMB)
PRESIDENT'S BUDGET
House
Senate
Conference
President Signs Into Law (or Vetoes)
Allocation of Funds to Agencies

Basic Budget & Appropriations Process

US Army Corps of Engineers®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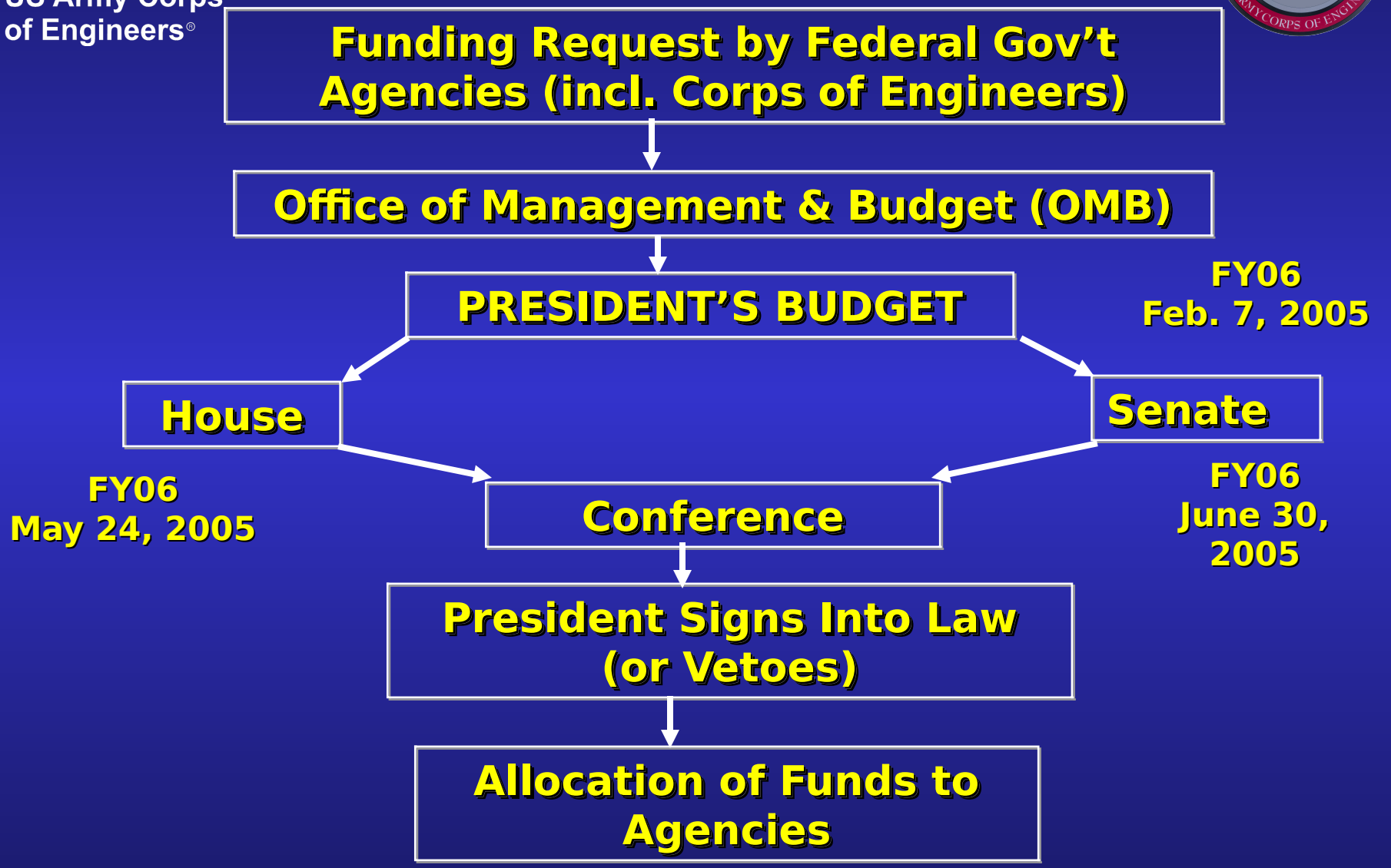
Allocation of Funds to Agencies

FY05
Dec. 9, 2004

FY05
Jan. 24-26, 2005

Basic Budget & Appropriations Process

US Army Corps of Engineers®

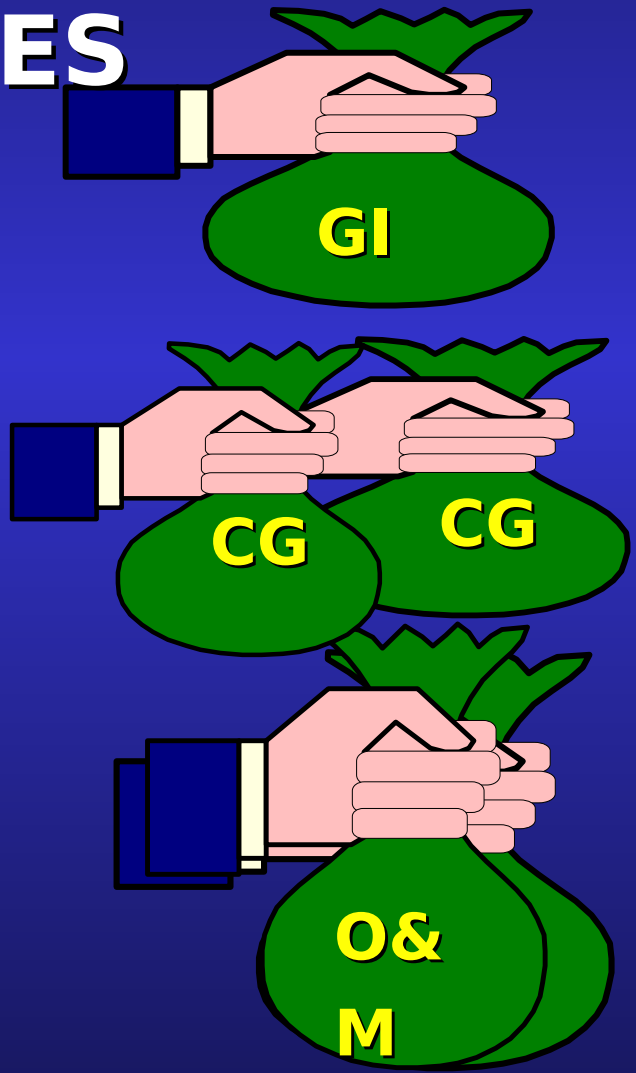


MAJOR BUDGET CATEGORIES

GENERAL INVESTIGATIONS

CONSTRUCTION, GENERAL

OPERATIONS & MAINTENANCE



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FY2006 Budget (X$1,000)

	Pres Budget	House	Senate
General Investigations	$ 1,812	$ 2,510	$23,0
Construction, General	$63,682	$68,304	$54,4
Operat. & Maint.	$83,186	$84,501	$85,736

Notes:

- GI Includes Miscellaneous GI Items
- CG Includes Inland Waterways Trust Fund, Total EMP (3 Districts), and CAP

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General Investigations FY 2006 Budget (X$1,000)

	Pres Budget	House	Ser
• Davenport	$ 0	$ 0	$ 0
• Des Moines & Raccoon Rivers (PED)	$ 0	$ 100	$ 400
• Clear Lake	$ 0	$ 400	$ 0
• IL River Basin Restoration	$1,160	$ 1,160	$ 1,160
• IL River Ecosystem Restoration (FEAS)	$ 350	$ 350	$ 350
• Keith Creek (RECON & FEAS)	$ 2	$ 0	$ 2
• Peoria Riverfront Dev. (PED)	$ 0	$ 0	$ 250
• Rock River Basin Ecosystem Rest. (FEAS)	$ 0	$ 0	$ 0
• UMR Comprehensive Plan	$ 0	$ 200	$ 500
• UMR & IL Navigation Study (PED)	$ 0	$ 0	$20,000
• Four Mile Creek, IA	$ 0	$ 0	$ 100
• Miss. Cl...	N/A	N/A	N/A

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Construction, General FY2006 Budget (X$1,000)

	Pres Budget	House	Senate
EMP (3 District Total)	$33,500	$33,500	$20,000
Lock 19 (MR)*	$17,502	$17,502	$17,502
Lock 11 (MR)*	$ 7,580	$ 7,202	$ 7,580
IL River Basin	$ 0	$ 0	$ 0
Des Moines Greenbelt	$ 0	$ 5,000	$ 3,500
Davenport	$ 0	$ 0	$ 400
O'Brien Lock	$ 0	$ 0	$ 0
Lockport Walls	$ 0	$ 0	$ 0
Des Moines & Raccoon Rvrs	$ 0	$ 0	$ 400
CAP	N/A	N/A	N/A

* Includes Inland Waterways Trust Fund.

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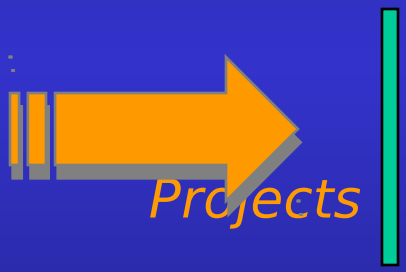
Authorization

Congress gives permission to undertake a study or project.



Projects

House/Senate Committee Resolution - Studies

Water Resources Development Acts - Studies and

<u>Authorizations</u> Do Not Fund Studies/Projects.

You Receive Funding For Your Study/Project Through <u>Appropriations</u>.

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Status of the Water Resources Development Act

Normally every 2 years. Last WRDA in 2000.

House passed on July 14

Senate Env. & P.W. Comm. passed on July 1 (Awaiting floor time)

Points of Contact

- District Commander
  Colonel Duane Gapinski
  309-794-5249

- A/E Coordinator
  Joanne Traicoff
  309-794-5293

- Congressional Liaisons
  Larry Jones
  309-794-5298
  Ron Fournier
  309-794-5274

- Construction
  Mark Hoague, Chief
  309-794-5480

- Contracting
  Rhonda Johanson, Chief
  309-794-5312

- Emergency Management
  Kent Stenmark, Chief
  309-794-5325

- Engineering
  Denny Lundberg, Chief
  309-794-5226

- Operations
  Kenn Shoemaker, Chief
  309-794-5501

- Outreach & Customer Support
  Damon Barati, Acting
  309-794-5923

- Programs & Project Management
  Gary Loss, Chief
  309-794-5260

- Program Management
  Dave Hays
  309-794-5220

- Regulatory
  Dan Johnson, Chief
  309-794-5370

- Small & Disadvantaged Business Utilization Office
  Doug Davis
  309-794-5205

Rock Island District Website: www.mvr.usace.army.mil

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